



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60512-13-1:2007 (Inc Corr Dec 06)

ICS 31.220.01

**CONNECTORS FOR ELECTRONIC  
EQUIPMENT - TESTS AND  
MEASUREMENTS -- PART 13-1:  
MECHANICAL OPERATION TESTS - TEST  
13A: ENGAGING AND SEPARATING  
FORCES (IEC 60512-13-1:2006 (EQV))**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60512-13-1**

March 2006

ICS 31.220.01

Supersedes EN 60512-13-1:1997  
Incorporates Corrigendum December 2006

English version

**Connectors for electronic equipment -  
Tests and measurements  
Part 13-1: Mechanical operation tests -  
Test 13a: Engaging and separating forces  
(IEC 60512-13-1:2006)**

Connecteurs pour équipements  
électroniques -  
Essais et mesures  
Partie 13-1: Essais de fonctionnement  
mécanique -  
Essai 13a: Forces d'accouplement  
et de désaccouplement  
(CEI 60512-13-1:2006)

Steckverbinder für elektronische  
Einrichtungen -  
Mess- und Prüfverfahren  
Teil 13-1: Prüfungen der mechanischen  
Bedienbarkeit -  
Prüfung 13a: Kupplungs- und Trennkraft  
(IEC 60512-13-1:2006)

This European Standard was approved by CENELEC on 2006-03-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

The text of document 48B/1581/FDIS, future edition 2 of IEC 60512-13-1, prepared by SC 48B, Connectors, of IEC TC 48, Electromechanical components and mechanical structures for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60512-13-1 on 2006-03-01.

This European Standard supersedes EN 60512-13-1:1997.

This standard is to be read in conjunction with EN 60512-1 and EN 60512-1-100 which explains the structure of the EN 60512 series.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2006-12-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2009-03-01

Annex ZA has been added by CENELEC.

The contents of the corrigendum of December 2006 have been included in this copy.

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## Endorsement notice

The text of the International Standard IEC 60512-13-1:2006 was approved by CENELEC as a European Standard without any modification.

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## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60512-1-1	- <sup>1)</sup>	Connectors for electronic equipment - Tests and measurements Part 1-1: General examination - Test 1a: Visual examination	EN 60512-1-1	2002 <sup>2)</sup>

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.



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